

ABSTRACT

Muhammad Kurniawan Abdillah. B4110515. Effect of Fruit Extract Against Red Peppers Uric Acid Levels Decline (Studies in Rat Hyperuricemia). Department of Health Studies Program Clinical Nutrition, Polytechnic of Jember. Advisory Committee Chairman: Agustina Endah WSSos., Kes, Members: Puspito Arum S.Gz, M.Gizi.

Hyperuricemia is a risk factor for elevated levels of uric acid. Red pepper fruit juice has many health benefits that only prayer can lower blood uric acid levels as vitamin C in it. This study aimed to determine the effect of red pepper juice to decrease uric acid levels (hyperuricemia rat studies).

The research is a true-experimental with pretest - posttest control group design. Samples were male Sprague Dawley rats aged 2-3 months weighing 200-300 g, were given a red pepper juice at a dose of 2.5 g, 3.5 g and 4.5 g / 200 g BB rats for 3 days. Uric acid levels checked by GOD-POD method. Data were analyzed by paired t-test and ANOVA, followed by LSD test.

Research shows there are differences in the levels of uric acid ($p < 0.05$). Giving red pepper juice dose of 4.5 g / 200 g BB rats can lower uric acid levels by 70.9%.

Keywords: Hyperuricemia, Paprika Red Sari, Uric Acid Levels